

1. Overview

With CPU control and PWM technology, UY series charger has the advantages like high efficiency, good stability, low-carbon and energy-saving. Three-section charging mode --- Controlling the charging current and voltage automatically and precisely, both ensure that battery is charged fully, and not over charged. Your battery life will be protected.

2. Unpacking Inspection

Open the package case, check the items shown on Table 1 carefully to check any missing or damaged part for the first time. If there are any loss or damage, please contact with the seller.

Table 1. Unpacking Inspection

Item	Description	Qty
1	Charger	1
2	Operating manual	1
3	AC wire	1
4	Output Connector	1
5	Adapter	1

3. Charger Model & Parameter

3.1 Model series

● UY1200S

3.2 Rated input voltage

● 100-240V

3.3 Constant voltage

◎ 12.6V ◎ 14.6V ◎ 16.8V ◎ 29.2V ◎ 29.4V
◎ 32.0V ◎ 43.8V ◎ 54.6V ● 58.4V ◎ 58.8V
◎ 67.2V ◎ 71.4V ◎ 84.0V ◎ 87.6V ◎ ____

3.4 Floating charge voltage (For lead-acid battery)

◎ ____

3.5 Constant current

◎ 0.1~5.0A ◎ 5.1~10.0A ◎ 10.1~15.0A
● 15.1~20.0A ◎ 50.1~55.0A ◎ ____

3.6 Light turn green

● 5-10%CC ◎ 20-30%CC ◎ ____

4. Operating Instruction

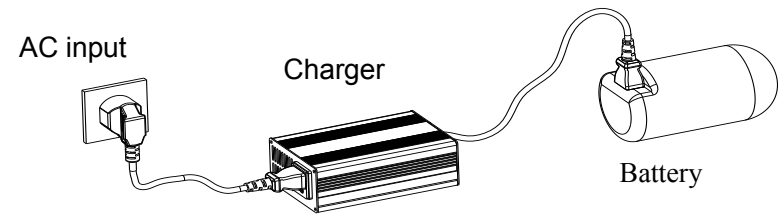


Fig 1. Connection diagram

4.1 Please connect the charger according to the Fig 1 when starting charging. Connecting the DC terminal to battery firstly, and then connecting the AC terminal.

4.2 After charging complete, unplug the AC terminal firstly, and then unplug the DC terminal.

4.3 No charging or after charging complete, be sure to unplug the DC terminal and the AC terminal.

4.4 The LED indicator status is explained as follows:

Green light flashing	Standby
Green light on	Battery charging completed
Red light on	Battery charging
Red light flashing	Fault

5. Attention

5.1 Don't cover the charger or air intake during charging.

5.2 The charger should be placed where children could not touch.

5.3 Please charging in indoor area where good ventilation and heat dissipation is. Prohibited charging where is humid, high temperature or a flammable, explosive gas surrounding.

5.4 To avoid vibration damage, please don't carry the charger on the driving vehicle long time.

5.5 It's danger of high voltage in charger case, please do not open it personally.

5.6 The losses caused by not operating according to the instruction manual operation, manufacturer does not bear any responsibility.

6. Maintenance

WARNING: Before conducting the following operations, make sure the charger is disconnected with the battery and power connection.

6.1 Routine maintenance

- Clear dust on vents and fan regularly, to ensure the charger has good heat dissipation.
- Periodically wipe the case with a cloth with some alcohol and do not wash the charger by using water.
- Do not use or store the charger in a place of humidity or high temperature.

This Operating Manual covers information on safety and cautions. Please read it carefully before charging

OPERATING MANUAL